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**User requirement description on science and technology
resource**

科技资源用户需求描述

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Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work

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The main drafters of this document: Chang Chun, Chen Jianlong, Zhang Hui, Zhao Qiyang, Jin Shenghao, and Gu Fang:

Introduction

The implementation of this document will help realize the semantic standardized description of user needs by the builder of the science and technology resource platform, and better carry out the science and technology resource development:

source of information services:

This document mainly describes users' needs for scientific and technological resources: These resources can be described and identified using metadata: user The required scientific and technological resources mainly include human, financial, material, information (documents, data) and other resources needed to carry out scientific and technological activities: The specific scientific and technological resources that need to be described are Technological resources include four types: technological human resources, technological financial resources, technological physical resources, and technological information resources: Metadata description uses summary table defined and described in a displayed way: Metadata includes 8 core metadata elements, namely subject, classification, carrier, type, time, space time, channels, and intellectual property rights:

Description of technological resource user needs

1 Scope

This document stipulates the metadata method for describing the user needs of scientific and technological resources: By describing the identification method of user needs of scientific and technological resources, scientific and technological resources can be realized:

The technology resource platform builder provides a semantically standardized description of users' subjective technology resource needs to achieve matching with objectively existing technology resources:

to better serve the country's scientific and technological innovation:

This document is suitable for describing user needs during the construction and service process of the scientific and technological resource platform, and for users of other related information resources:

Provide reference for demand research and practice:

2 Normative reference documents

This document has no normative references:

3 Terms and definitions

The following terms and definitions apply to this document: 3:1 A general term for human, material, financial resources, organization, management, information and other elements used in scientific and technological activities:

[Source: GB/T 31075-2014, 2:2:1, with modifications] 3:2 information demand information demand A subjectively determined information need to complete a given task or function:

[Source: ISO 5127:2017,3:1:1:42] 3:3 Metadata is used to describe the elements, characteristics and attributes of users' needs for scientific and technological resources, which is the basis for the construction and service of scientific and technological resources:

Note: Also known as scientific and technological resource demand description and scientific and technological resource service demand description: 3:4 A set of metadata elements used to describe the same characteristics of scientific and technological resource data:

Note: Can include one or more metadata entities:

[Source: GB/T 19710-2005, 4:7, with modifications] 3:5 Scientific and technological resources expressed in physical form:

Note: Physical scientific and technological resources mainly include scientific instruments and equipment, physical natural scientific and technological resources, physical scientific and technological literature resources, scientific data resource management related equipment, and networks:

The hardware equipment and supporting software system of the network technology environment:

[Source: GB/T 31075-2014, 2:2:2, with modifications]